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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applicant:  
CHING-WU CHU

Serial No: 032,041

Filed: March 26, 1987

GROUP ART UNIT: 111

For: SUPERCONDUCTIVITY IN  
SQUARE-PLANAR COMPOUND  
SYSTEMS

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AMENDMENT

Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Dear Sir:

Responsive to the Office Action mailed January 20, 1988, please amend the above-identified application as follows:

IN THE CLAIMS

Please add to the application claims 93 and 94 as follows:

93. A material containing a sufficient quantity of a superconductive crystalline phase to cause the material to exhibit substantially zero electrical resistance at a temperature of 77°K or above; said crystalline phase composition having the formula  $LM_2Cu_3O_{6+\delta}$ , wherein "L" is Sc, Y, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, or mixtures thereof; "M" is Ba, Sr or mixtures thereof; and  $\delta$  is a value from about 0.1 to about 4.5 that provides the composition with zero electrical resistance at a temperature of 77°K or above.

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